

# SEQUENCE LISTING

<110> Skonezny, Paul M.  
 Politino, Michael  
 Liu, Suo-Win  
 Alfred, Boyle  
 Chen, Jason  
 Stein, Gregory  
 Franceschini, Thomas  
 Anderson, Wendy

<120> Process for Preparing Dideoxyinosine Using Adenosine Deaminase Enzyme

<130> GY0111 NP

<160> 3

<170> PatentIn version 3.1

<210> 1  
 <211> 363  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (1)..(363)  
 <223> gi 14043373

<400> 1

Met	Ala	Gln	Thr	Pro	Ala	Phe	Asp	Lys	Pro	Lys	Val	Glu	Leu	His	Val
1				5				10						15	
His	Leu	Asp	Gly	Ser	Ile	Lys	Pro	Glu	Thr	Ile	Leu	Tyr	Tyr	Gly	Arg
		20						25					30		
Arg	Arg	Gly	Ile	Ala	Leu	Pro	Ala	Asn	Thr	Ala	Glu	Gly	Leu	Leu	Asn
		35					40					45			
Val	Ile	Gly	Met	Asp	Lys	Pro	Leu	Thr	Leu	Pro	Asp	Phe	Leu	Ala	Lys
	50					55					60				
Phe	Asp	Tyr	Tyr	Met	Pro	Ala	Ile	Ala	Gly	Cys	Arg	Glu	Ala	Ile	Lys
65				70					75					80	
Arg	Ile	Ala	Tyr	Glu	Phe	Val	Glu	Met	Lys	Ala	Lys	Glu	Gly	Val	Val
		85						90						95	
Tyr	Val	Glu	Val	Arg	Tyr	Ser	Pro	His	Leu	Leu	Ala	Asn	Ser	Lys	Val



Glu Asp Glu Lys Arg Glu Leu Leu Asp Leu Leu Tyr Lys Ala Tyr Gly  
 340 345 350

Met Pro Pro Ser Ala Ser Ala Gly Gln Asn Leu  
 355 360

<210> 2  
 <211> 1559  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> gi 14043372

<400> 2  
 ggcacgaggc gtggccggcc gcggccaccg ctggccccag ggaaagccga gcggccaccg 60  
 agccggcaga gacccaccga gcggcggcgg agggagcagc gccggggcgc acgagggcac 120  
 catggcccag acgcccgcct tcgacaagcc caaagtagaa ctgcatgtcc acctagacgg 180  
 atccatcaag cctgaaacca tcttatacta tggcaggagg agagggatcg ccctcccagc 240  
 taacacagca gaggggctgc tgaacgtcat tggcatggac aagccgctca cccttccaga 300  
 cttcctggcc aagtttgact actacatgcc tgctatcgcg ggctgccggg aggctatcaa 360  
 aaggatcgcc tatgagtttg tagagatgaa ggccaaagag ggcgtggtgt atgtggaggt 420  
 gcggtacagt ccgcacctgc tggccaactc caaagtggag ccaatcccct ggaaccaggc 480  
 tgaaggggac ctcaccccag acgaggtggt ggccctagtg ggccagggcc tgcaggaggg 540  
 ggagcgagac ttcggggtca aggcccggtc catcctgtgc tgcattgcgc accagcccaa 600  
 ctggtccccc aaggtggtgg agctgtgtaa gaagtaccag cagcagaccg tggtagccat 660  
 tgacctggct ggagatgaga ccatcccagg aagcagcctc ttgcctggac atgtccaggc 720  
 ctaccaggag gctgtgaaga gcggcattca ccgtactgtc cacgccgggg aggtgggctc 780  
 ggccgaagta gtaaaagagg ctgtggacat actcaagaca gagcggctgg gacacggcta 840  
 ccacaccctg gaagaccagg ccctttataa caggctgcgg caggaaaaca tgcacttcga 900  
 gatctgcccc tgggtccagct acctactgg tgcctggaag ccggacacgg agcatgcagt 960  
 cattcggtc aaaaatgacc aggctaacta ctgctcaac acagatgacc cgctcatctt 1020  
 caagtccacc ctggacactg attaccagat gaccaaaccg gacatgggct ttactgaaga 1080

```

ggaggtttaaaggctgaacatcaatgcggc caaatctagt ttcctcccag aagatgaaaa 1140
gagggagcttctcgacctgc tctataaagc ctatgggatg ccaccttcag cctctgcagg 1200
gcagaacctctgaagacgcc actcctccaa gccttcaccc tgtggagtca cccaactct 1260
gtggggctga gcaacatttt tacatttatt ccttccaaga agaccatgat ctcaatagtc 1320
agttactgat gctcctgaac cctatgtgtc ctttctgca cacacgtata cctcggcattg 1380
gccgcgtcac ttctctgatt atgtgccctg gccagggacc agcgcccttg cacatgggca 1440
tggttgaatc tgaaaccctc cttctgtggc aacttgtact gaaaatctgg tgctcaataa 1500
agaagcccat ggctggtggc atgcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1559

```

```

<210> 3
<211> 1103
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Sequence variant of gi 14043372

```

```

<220>
<221> misc_feature
<222> (1)..(6)
<223> NCO I restriction site

```

```

<220>
<221> misc_feature
<222> (1098)..(1103)
<223> BAM HI restriction site

```

```

<400> 3
ccatggccca gacgccggcc ttcgacaagc cgaaagtaga actgcatgtc cacctggacg 60
gttccatcaa gccggaaacc atcctgtact atggccgtcg tcgcggtatc gccctgccgg 120
ctaacacagc agaggggtctg ctgaacgtca ttggcatgga caagccgctg accctgccgg 180
acttcttggc caagtttgac tactacatgc ctgctatcgc gggctgccgt gaggtatca 240
aacgtatcgc ctatgagttt gtagagatga aggccaaaga gggcgtggtg tatgtggagg 300
tgcgctacag tccgcacctg ctggccaact ccaaagtgga gccaatcccg tggaaccagg 360
ctgaagggga cctcaccctg gacgaggtgg tagccctcgt gggccagggc ctgcaggagg 420
gtgagcgtga cttcggcgctc aaggcccgtc ccacctctgt ctgcatgcgc caccagccga 480
actggtcccc gaaggtggtg gagctgtgta agaagtacca gcagcagacc gtggtggcca 540
ttgacctggc tggatgatgag accatcccag gcagcagcct cttgccgggt catgtccagg 600

```

cctaccagga ggctgtgaag agcggcattc accgtactgt ccacgccggt gaggtgggct 660  
cggccgaagt agtaaaagag gctgtggaca ttctcaagac agagcgctg ggtcacggct 720  
accacaccct ggaagaccag gccctctata accgtctgcg ccaggaaaac atgcacttcg 780  
agatctgccc gtggtccagc tacctcactg gtgcctggaa gccggacacg gagcatgcag 840  
tcattcgctt caaaaatgac caggctaact actcgctcaa cacagatgac ccgctcatct 900  
tcaagtccac cctggacact gattaccaga tgaccaaacg tgacatgggc ttactgaag 960  
aggagtttaa acgtctgaac atcaatgcgg ccaaattctag ttctctccca gaagatgaaa 1020  
agcgcgagct gctcgacctg ctctataaag cctatggcat gccaccgtca gcctctgcag 1080  
gtcagaacct ctgataagga tcc 1103